

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Yoshikazu KAKURA

Serial No. (unknown)

Filed herewith

TIME SCHEDULING SYSTEM

**PRELIMINARY AMENDMENT**

Commissioner for Patents

Washington, D.C. 20231

Sir:

Prior to calculation of the filing fee, please  
amend the above-identified application as follows:

**IN THE CLAIMS:**

Amend claim 13 as follows:

--13. (Amended) A time scheduling system according to claim 5 wherein said allocating means includes a means to allocate a time slot to a terminal which has the lowest communication quality class amongst terminals communication quality classes of which are higher than  $k$  ( $k$  being a natural number equal to or less than  $M-1$ ) when there is a vacant slot for allocation for a terminal with communication quality class  $k$ .--

Amend claim 14 as follows:

--14. (Amended) A time scheduling system according to claim 1 wherein at least one of the base stations amongst neighboring base stations includes a means for lowering data transmission speed.--

Amend claim 15 as follows:

--15. (Amended) A time scheduling system according to claim 1 wherein each base station includes a means for transmitting at a uniform transmission power from an antenna with beam directivity perpendicular in relation to the ground.--

Amend claim 16 as follows:

--16. (Amended) A time scheduling system according to claim 1 wherein each base station includes a means for controlling transmission power so that the received power of each terminal of each base station is uniform.--

Amend claim 17 as follows:

--17. (Amended) A time scheduling system according to claim 1 wherein each base station includes a means for controlling transmission power so that the received power of each terminal of each base station is uniform and for transmitting from an antenna with beam directivity perpendicular in relation to the ground.--

R E M A R K S

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE".

Respectfully submitted,

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By

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

The claims have been amended as follows:

13. (Amended) A time scheduling system according to ~~claims~~claim 5 or ~~6~~ wherein said allocating means includes a means to allocate a time slot to a terminal which has the lowest communication quality class amongst terminals communication quality classes of which are higher than  $k$  ( $k$  being a natural number equal to or less than  $M-1$ ) when there is a vacant slot for allocation for a terminal with communication quality class  $k$ .

14. (Amended) A time scheduling system according to ~~any of claims~~claim 1 through ~~12~~ wherein at least one of the base stations amongst neighboring base stations includes a means for lowering data transmission speed.

15. (Amended) A time scheduling system according to ~~any of claims~~claim 1 through ~~12~~ wherein each base station includes a means for transmitting at a uniform transmission power from an antenna with beam directivity perpendicular in relation to the ground.

16. (Amended) A time scheduling system according to ~~any of claims 1 through 12~~claim 1 wherein each base station includes a means for controlling transmission power so that the received power of each terminal of each base station is uniform.

17. (Amended) A time scheduling system according to ~~any of claims~~claim 1 through 12 wherein each base station includes a means for controlling transmission power so that the received power of each terminal of each base station is uniform and for transmitting from an antenna with beam directivity perpendicular in relation to the ground.